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D. Bell
3/27/01

#2

PATENT
P56289

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Jong-Seo CHOI *et al.*

Serial No.: *to be assigned.*

Examiner: *to be assigned.*

Filed: 4 January 2001

Art Unit: *to be assigned.*

For: CATHODE MATERIAL FOR ELECTRON BEAM APPARATUS

10675 U.S. PTO
09/756865
01/10/01

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner
for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§1.56, 1.97, and 1.98, applicant cites, provides copies and briefly discusses the following references newly cited the Japanese search report:

U.S. Patent References:

	<u>U.S. Patent No.</u>	<u>Inventor</u>	<u>Issue Date</u>
✓	5,519,280	Shon <i>et al.</i>	06/96
✓	6,124,666	Saito <i>et al.</i>	09/00
✓	3,436,584	Hughes <i>et al.</i>	04/69
✓	5,982,083	Ju <i>et al.</i>	11/99
✓	5,072,149	Lee <i>et al.</i>	12/91

✓	5,580,291	Redel <i>et al.</i>	12/96
✓	5,977,699	Joo <i>et al.</i>	11/99
✓	5,808,404	Koizumi <i>et al.</i>	09/98
✓	5,828,165	Clerc <i>et al.</i>	10/98

Other Foreign Patent References:

World Intellectual Property Organization

	<u>Patent No.</u>	<u>Inventor</u>	<u>Issue Date</u>
✓	WO 00/21110	Choi <i>et al.</i>	04/00

U.S. Patent No. 5,519,280 to Shon *et al.* discloses *Oxide Cathode*.

U.S. Patent No. 6,124,666 to Saito *et al.* discloses *Electron Tube Cathode*.

U.S. Patent No. 3,436,584 to Hughes *et al.* discloses *Electron Emission Source with*

Sharply Defined Emitting Area.

U.S. Patent No. 5,982,083 to Ju *et al.* discloses *Cathode discloses Electron Tube*.

U.S. Patent No. 5,072,149 to Lee *et al.* discloses *Cathode discloses Electron Gun and its*

Manufacturing Method.

U.S. Patent No. 5,580,291 to Redel *et al.* discloses *Method discloses Manufacturing a Glow Cathode for an Electron Tube*.

U.S. Patent No. 5,977,699 to Joo *et al.* discloses *Cathode discloses Electron Tube*.

U.S. Patent No. 5,808,404 to Koizumi *et al.* discloses *Electron Tube Including a Cathode Having an Electron Emissive Material Layer*.


U.S. Patent No. 5,828,165 to Clerc *et al.* discloses *Thermionic Cathode discloses
Electron Tubes and Method for the Manufacture Thereof.*

W.O. Patent No. 00/21110 to Choi *et al.* discloses *Cathode Material of Electron Beam
Device and Preparation Method Thereof.*

This citation of foregoing references is not intended to constitute an assertion that
Application has undertaken the search of the prior art. Accordingly, the Examiner is requested
to take a wide-ranging and through search of the relevant of art.

No fee is incurred by this Statement.

Respectfully submitted,


Robert E. Bushnell
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Folio: P56289
Date: 10 January 2001
I.D.: REB/nb

**INFORMATION DISCLOSURE STATEMENT
PTO-1449 (PAGE 1 OF 1)**

SERIAL NUMBER *to be assigned.*

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APPLICANT

Jong-Seo CHOI *et al.*

FILING DATE 10 January 2001

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U.S. PTO
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01/10/01

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,519,280	06/96	Shon <i>et al.</i>	313	346R	
	6,124,666	09/00	Saito <i>et al.</i>	313	346R	
	3,436,584	04/96	Hughes <i>et al.</i>	313	346	
	5,982,083	11/99	Ju <i>et al.</i>	313	346R	
	5,072,149	12/91	Lee <i>et al.</i>	313	346R	
	5,580,291	12/96	Redel <i>et al.</i>	445	28	
	5,977,699	11/99	Joo <i>et al.</i>	313	346	
	5,808,404	09/98	Koizumi <i>et al.</i>	313	346R	
	5,828,165	10/98	Clerc <i>et al.</i>	313	346R	

FOREIGN PATENT DOCUMENTS

TRANSLATION

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
WO 00/21110	04/00	Europe			X	
RU 2052855	04/93	Russian Federation			X	
SU 616662	07/78	Former Union of Soviet			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.